

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/10/05	06/09/05	06/20/05	06/27/05	AME
AIR TEMPERATURE	81	86	83	90	F
% REL.HUMIDITY	49	48	37	48	
WIND DIRECTION	SOUTHWEST	SOUTH	EAST	SOUTH	
WIND SPEED	7.5	3.0	3.5	5.5	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	HAZY SUN	
DEW	NA/UNKNOWN	NO	NO	NO	
SOIL MOISTURE	DRY/DRY	MOIST/DRY	DRY/DRY	DRY/DRY	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	SPECIAL	SPECIAL	SPECIAL	SPECIAL	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/15	---/18	---/19	
ASGROW		4.00/6.00	10.0/12.0	13.0/16.0	IN
*** PEST ***					
WATERHEMP, COMMO	LOW/01	LOW/18	LOW/19	LOW/19	
	/	4.00/6.00	5.00/21.0	12.0/22.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST
 12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

01 = SEED IMBIBITION; BUD SWELL STARTING
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Preemergence Premixes fb Postemergence for PPO Waterhemp Control in Soybeans.
CREATED: 04/15/2005 **REVISED:** 12/05/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: PERRY/GRIGGSVILLE **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	AMATA CON % 06/09/05	AMATA CON % 06/20/05	GLXMA CON % 06/20/05	AMATA CON % 06/27/05	GLXMA CON % 06/27/05	AMATA CON % 07/05/05
1A»A14972A 5.32EC	1.00 LAA	9	78					
2A»A14972A 5.32EC	1.50 LAA	9	85					
3A»A14972A 5.32EC	2.00 LAA	9	86					
4A»CANOPY XL 56.3	0.14 LAA	0	95					
B AUTHORITY 75WG	0.117 LAA	9						
C CLASSIC 25WG	0.0234 LAA	9						
5A»BOUNDARY 6.5EC	1.63 LAA	9	88					
6A»VALOR SX 51WDG	0.064 LAA	9	65					
7A»VALOR SX 51WDG	0.079 LAA	9	90					
8A»VALOR SX 51WDG	0.096 LAA	9	43					
9A»AUTHORITY	0.25 LAA	9	86					
10A»PROWL H20 3.8C	1.43 LAA	9	82					
11A COBRA 2EC	0.094 LAA	12				93	52	97
B»TOUCHDN TOTAL	0.785 LAA	12						
C»COC	1.00 PMV	12						
D»LIQUID AMS	2.50 PMV	12						
12A COBRA 2EC	0.188 LAA	12				95	62	89
B»TOUCHDN TOTAL	0.785 LAA	12						
C»COC	1.00 PMV	12						
D»LIQUID AMS	2.50 PMV	12						
13A COBRA 2EC	0.094 LAA	12				52	28	50
B»2,4-DB 2.0EC	0.0156 LAA	12						
C»ACTIVATOR 90	0.125 PMV	12						
14A COBRA 2EC	0.094 LAA	12				67	32	48
B»2,4-DB 2.0EC	0.0313 LAA	12						
C»ACTIVATOR 90	0.125 PMV	12						
15A COBRA 2EC	0.094 LAA	12				63	30	37
B»2,4-DB 2.0EC	0.0391 LAA	12						
C»ACTIVATOR 90	0.125 PMV	12						
16A COBRA 2EC	0.188 LAA	11		95	20			
B»COC	1.00 PMV	11						
C»TOUCHDN TOTAL	0.785 LAA	13						
D»LIQUID AMS	2.50 PMV	13						
17A COBRA 2EC	0.188 LAA	11		98	18			
B»COC	1.00 PMV	11						
C»WEATHERMAX 4.5	0.773 LAA	13						
D»LIQUID AMS	2.50 PMV	13						
18A»GRAMOX MAX 3SL	0.0703 LAA	12				63	58	42
B BASAGRAN 4SL	0.50 LAA	12						
C»ACTIVATOR 90	0.125 PMV	12						
19A BASAGRAN 4SL	0.50 LAA	12				20	3	23
B»2,4-DB 2.0EC	0.0391 LAA	12						
C»ACTIVATOR 90	0.125 PMV	12						
20A CHECK	0.00 NA	0	0	0	0	0	0	0
LSD (0.05)			20.69	5.29	7.56	10.60	8.19	16.00
STANDARD DEVIATION			9.92	1.91	2.72	4.94	3.82	7.47

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PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 07/05/05	AMATA CON % 07/12/05	AMATA CON % 07/19/05	GLXMA CON % 07/19/05
1A»A14972A 5.32EC	1.00 LAA	9		50		
2A»A14972A 5.32EC	1.50 LAA	9		64		
3A»A14972A 5.32EC	2.00 LAA	9		68		
4A»CANOPY XL 56.3	0.14 LAA	0		63		
B AUTHORITY 75WG	0.117 LAA	9				
C CLASSIC 25WG	0.0234 LAA	9				
5A»BOUNDARY 6.5EC	1.63 LAA	9		71		
6A»VALOR SX 51WDG	0.064 LAA	9		43		
7A»VALOR SX 51WDG	0.079 LAA	9		73		
8A»VALOR SX 51WDG	0.096 LAA	9		37		
9A»AUTHORITY	0.25 LAA	9		62		
10A»PROWL H20 3.8C	1.43 LAA	9		72		
11A COBRA 2EC	0.094 LAA	12	33		99	3
B»TOUCHDN TOTAL	0.785 LAA	12				
C»COC	1.00 PMV	12				
D»LIQUID AMS	2.50 PMV	12				
12A COBRA 2EC	0.188 LAA	12	40		99	3
B»TOUCHDN TOTAL	0.785 LAA	12				
C»COC	1.00 PMV	12				
D»LIQUID AMS	2.50 PMV	12				
13A COBRA 2EC	0.094 LAA	12	17		63	7
B»2,4-DB 2.0EC	0.0156 LAA	12				
C»ACTIVATOR 90	0.125 PMV	12				
14A COBRA 2EC	0.094 LAA	12	18		53	10
B»2,4-DB 2.0EC	0.0313 LAA	12				
C»ACTIVATOR 90	0.125 PMV	12				
15A COBRA 2EC	0.094 LAA	12	22		57	5
B»2,4-DB 2.0EC	0.0391 LAA	12				
C»ACTIVATOR 90	0.125 PMV	12				
16A COBRA 2EC	0.188 LAA	11		99	99	0
B»COC	1.00 PMV	11				
C»TOUCHDN TOTAL	0.785 LAA	13				
D»LIQUID AMS	2.50 PMV	13				
17A COBRA 2EC	0.188 LAA	11		99	99	0
B»COC	1.00 PMV	11				
C»WEATHERMAX 4.5	0.773 LAA	13				
D»LIQUID AMS	2.50 PMV	13				
18A»GRAMOX MAX 3SL	0.0703 LAA	12	33		70	12
B BASAGRAN 4SL	0.50 LAA	12				
C»ACTIVATOR 90	0.125 PMV	12				
19A BASAGRAN 4SL	0.50 LAA	12	0		68	0
B»2,4-DB 2.0EC	0.0391 LAA	12				
C»ACTIVATOR 90	0.125 PMV	12				
20A CHECK	0.00 NA	0	0	0	0	0
LSD (0.05)			6.30	27.25	22.35	6.41
STANDARD DEVIATION			2.94	13.20	10.64	3.05

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/10/2005(1)
 11 = ----- / EPOST 06/09/2005(2)
 12 = ----- / POST 06/20/2005(3)
 13 = ----- / LPOST 06/27/2005(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	AMATA	CON %	06/09/2005	02	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/20/2005	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	06/20/2005	01	P	GLXMA	18	RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/27/2005	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/27/2005	01	P	GLXMA	19	RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/05/2005	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/05/2005	01	P	GLXMA		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/12/2005	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/19/2005	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	07/19/2005	01	P	GLXMA	69	RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW

* STAGE CODE

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 69 = END OF FLOWERING, FIRST PODS VISIBLE